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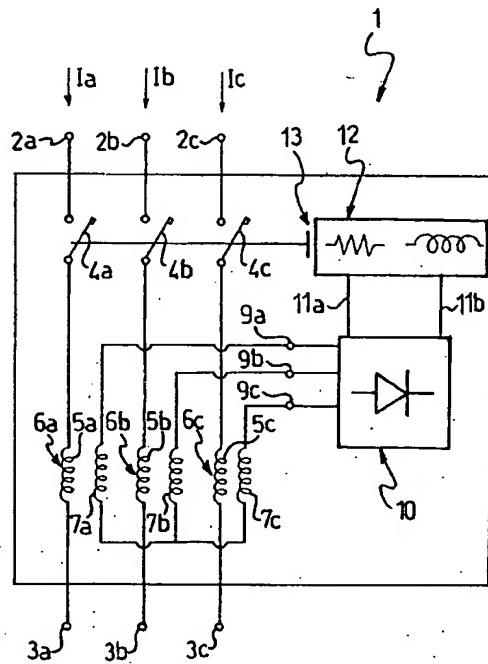
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(54) An automatic circuit breaker for protecting multi-phase electric circuits.

(55) An automatic circuit breaker (1) for multi-phase circuits is provided with an inductive current sensor, such as a transformer (6a,6b,6c) associated with each phase (a,b,c) to generate a first electric signal whose strength is dependent on a corresponding phase current, a controller device such as a rectifier (10) which is supplied said first signals and operative to output a second electric signal being proportional to the combined RMS values of the input signals, and a single protection, preferably of the magnetothermal type (12) responsive to the second signal to drive the breaker open on predetermined current threshold values being exceeded in one or more of the circuit phases.



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